

## Torness monthly report

### January 2018

#### Introduction

We are keen to hear the views of our local communities. We recognise that good communication is a two way process and we welcome your feedback and comments. While we will do our best to always use plain English, talking about our business sometimes involves specific terminology, and you will find a glossary of any terms used at the end of each monthly report.

#### Safety

- The station had zero lost time incidents (LTI) during the reporting period. EDF Energy staff have had 601 LTI free days (more than a year and a half) up to 31 January and contract partners have had 1301 LTI free days up to 31 January – that's more than three and a half years.
- The station had no emergency services call outs during January.
- There were four first aid injuries at the station in January.
- The station had no environmental events during January and has gone 2542 days without an environmental event (almost seven years).

#### Station output

Two flasks containing spent fuel were safely transported to Sellafield for reprocessing during the period.

Reactor 1 was operational for the whole month. Reactor 2 was taken off-line on 29 January after a 282 day operating run. The reactor shut down during routine testing when an issue was detected in an electrical system. After a full investigation and minor repair work Reactor 2 returned safely to service on Saturday, 3 February.

We generated 807,309 MWh in January; this is enough low carbon electricity to power around over 200 thousand homes and avoid 0.28 million tonnes of CO<sub>2</sub>e emissions and equivalent greenhouse gasses (known as MtCO<sub>2</sub>e) (when compared to direct emissions of combined cycle gas turbines).

#### Station news

##### Torness staff mentor school children in STEM projects

EDF Energy recently supported a group of students from East Lothian who have taken up a challenge set by the Engineering Development Trust to reduce energy usage at school and develop plans for a new sports venue.

Pupils from Dunbar and Prestonlodge in East Lothian took part in the project to inspire young people to study science and increase the connection between their studies and potential future careers. Lewis Martin supported students from Dunbar Grammar whilst Kate Goan and Kirsty Winkle supported students from Prestonlodge High School.



Pupils from Prestonlodge High School enjoy a tour of the power station.

At the launch event the students got to meet engineers and apprentice from the power station. The Torness employees mentored the 13-14 year old students throughout the 10 week project and provided advice and guidance as they developed their ideas.

Dunbar pupils had to view their school as an island and transform it so it can be a fully functioning island setting. The project aim is to promote awareness on maritime issues and to engage the students to think of sustainable ways of using water, energy and managing waste. The island can be located anywhere in the world but it must include energy use, impact on the environment, and making the facility sustainable

Prestonlodge pupils looked at creative, innovative but practical ideas for a new sports venue. This included energy use, impact on the environment, and making the facility sustainable.

Kate Goan, environmental safety engineer, Torness power station, said: "EDF Energy's work with the Engineering Development Trust gives us another opportunity to promote the study of STEM which is so crucial to the nuclear industry. I am delighted that the schools have taken up this opportunity and hope it helps to change the perception of STEM subjects."

The pace of digital innovation and scale of UK infrastructure investment means that there are huge opportunities for careers in STEM subjects. However, just one in four people working in STEM today in the UK is a woman and the number of young women studying these subjects at further education remains consistently below boys.

### Company news



Simone Rossi, the chief executive of EDF Energy, has confirmed that Hinkley Point C is 'on track'.

Mr Rossi said that the project was very important to the UK, and that the station would be in service by 2025.

He said: "There are almost 3,000 people on the site and there will soon be more than 5,000 working there, on a project that is on track for its next big milestones.

"We've moved more than four million cubic metres of earth – that's like digging a hole two and a half times as big as the Millennium Stadium in Cardiff. We are already installing the huge sea water cooling pipes. One of the main focuses at site is what we call J-zero – when we start building the power station's structures above ground.

"That can only happen once the foundations are in place for the first unit. All our 2018 goals will help us to achieve this major milestone on schedule by June 2019. Beyond J-zero, our goal is to put the first unit into service by the end of 2025."

### Next local community meeting

22 March 2018 from 10:00 – 13:00

### Contacts

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If you would like to receive this newsletter via e-mail please contact Ashleigh on the above address.

## Glossary of terms

Term	Definition
Nuclear reportable event or incident	Nuclear reportable events are significant events, such as non-compliance with or inadequacy in the safety case. These (along with other, less significant events) are reported to the Office for Nuclear Regulation (ONR) in compliance with EDF Energy's nuclear site licences.
Environmental event or incident	Environmental events arise from wastes or discharges above permitted levels or breaches of permitted conditions which result in an environmental impact. These (along with other, less significant events) are reported to SEPA.
Outage	A period during which a reactor is shut down. The periodic shutdown of a reactor including for maintenance, inspection and testing or, in some cases, for refuelling is known as a planned outage. In the UK, some planned outages are known as statutory outages and are required by the conditions attached to the nuclear site licence needed to operate the station. Unscheduled shutdown of a reactor for a period is known as an unplanned outage.
Unit	A unit refers to one of the reactors at the power station and its generating turbine.
LTI	When a member of staff injures themselves at work, and is absent from work for one day or more, this is referred to as a lost-time incident (LTI)